

Teacher Certification Policies and the Effect of Teacher Performance at State Senior High School in Ternate City North Maluku Province

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Abstract

This research purpose was to analysis effect of application of teacher certification policies, competence and achievement motivation on teacher performance of state senior high school in ternate city of North Maluku province. This research used a quantitative approach with a survey method. The sample used in this study was 193 teachers who were selected by proportionate random sampling. The research data was obtained from questionnaires and analyzed using path analysis supported by descriptive statistical analysis. The results of this study indicate the application of teacher certification policies, competencies and achievement motivation has a direct effect on performance, the application of teacher certification policies and competencies has a direct effect on achievement motivation, and the application of certification policies has a direct effect on competence. Therefore, improving the application of teacher certification policies, competencies and achievement motivation can improve performance.

Keywords: Application of Certification Policies, Competency, Achievement Motivation, Performance

1. Introduction

Teacher performance can be influenced by the application of teacher certification policies (Kuswandi & Cahyono, 2017; Simorangkir, 2018; Retnaningsih & Susanto, 2018); Abe & Adu, 2014). Policy refers to intentionally determined ways of acting, maneuvers that are intended to mislead others, patterns of consistent action, whether or not aiming, location-position or container that points to the field of action, and perspective-way of looking at the world (Scott & Davis, 2007); acting guidelines that outline important and broad goals that show how activities can be done (Scott & Davis, 2007).

Competence also affects teacher performance (Amalia & Saraswati, 2018; Ochieng, 2016; Teygong, 2017; Arifin, 2015; Ledun, 2018). Competence is the interrelation between knowledge, skills and abilities needed by an individual, team, or organization for effective performance (Hellriegel & Slocum, 2011). There are four aspects in teacher competence, namely pedagogic competence, personality competence, social competence and professional competence (Clark and Walsh 2004; Sulistiyo, 2016). Sahertian, 2008 has been details personality and social competencies including developing

personality, interacting and communicating, carrying out guidance and counseling for students, implementing school administration and carrying out simple research for teaching purposes; while professional competence includes mastering the foundation of education, mastering teaching materials, compiling teaching programs, implementing teaching programs and assessing the results of the teaching and learning process. This research purpose to analysis effect of application of teacher certification policies, competence and achievement motivation on teacher performance of state senior high school In ternate city of North Maluku Province

2. Research Method

The sample of this study was 193 teachers taken by proportionate random sampling of 374 teachers of state senior high school in Ternate City of North Maluku Province based on Slovin formula in error margin 5%. Data was collected by questionnaire in the form of a Likert scale model with five alternative answers: strongly disagree, disagree, neutral, agree and strongly agree. The questionnaire was made by researchers themselves based on the theoretical dimensions of the experts. Variable of performance uses five dimensions: quality of work, on time, initiative, ability and communication (Terry, 1998), variable of achievement motivation uses dimensions

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tanggung jawab, risk considerations, feedback, creative-innovative, time to complete tasks, and want to be the best (McClelland, 1976), variable of *application of teacher certification policies* uses dimensions: factual information, complementary, coordinated, definite, flexible and stable, and broad reach (Mondy, 1998), and variable of competence uses dimensions: pedagogic competence, personality competence, social competence and professional competence (Clark & Walsh, 2004; Sulistiyono, 2016; Sahertian, 2000). Performance questionnaire consists of 25 items with alpha coefficient = .882, *achievement motivation* consists of 22 items with alpha coefficient = .920, *application of teacher certification policies* consists of 22 items with alpha coefficient = .906, and competence consists of 23 items with alpha coefficient = .932. Data analysis was performed using descriptive statistics and path analysis. Data processing was done with SPSS 22 and Lisrel 8.80 software

3. Result and Discussion

The results of the calculation of path coefficients and t-tests of the effect of implementing certification, competency, and achievement motivation policies on performance are summarized in the following figure (1);

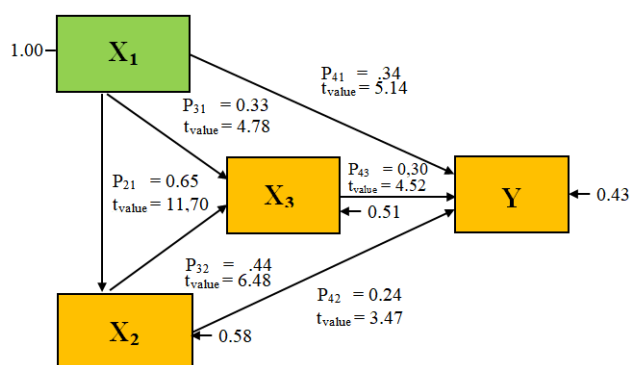


Figure 1. Path coefficients and t value

The path coefficient of the direct effect of the application of certification policy on performance = .34 and t value = 5.14 > t table = 1.972, t value > t table, so that the application of certification policy has a positive and significant direct effect on performance. The path coefficient of direct influence of competence on performance = .24 and t value = 3.47 > t table = 1.972, so that competence has a positive and significant direct effect on performance. The path coefficient direct effect of achievement motivation on performance = .30 and t value = 4.52 > t table = 1.972, so that achievement motivation has a positive and significant direct effect on performance. The path coefficient influences the application of certification policy on achievement motivation = .33 and t value = 4.78 > t table = 1.972, so that the application of certification policy has a positive and significant direct effect on achievement motivation. The path coefficient for the direct effect of competence

on achievement motivation = .44 and t value = 6.48 > t table = 1.972, so that competence has a positive and significant direct effect on achievement motivation. The path coefficient influences the application of certification policy on competence = .65 and t value = 11.70 > t table = 1.972, so that the application of certification policies has a positive and significant direct effect on competency.

In addition, path coefficients also obtained indirect effects of the application of certification policies on achievement motivation with competency mediation amounted to .28 (t-value = 5.67), competence to performance by mediating achievement motivation of .13 (t-value = 3.71), and the application of certification policy to performance by competence mediation and achievement motivation of .33 (t-value = 6.43). All the t values obtained were greater than the t table values at $\alpha = .05$ at 1.972, so that the overall indirect effect was significant. In addition, the total influence value of .67 (t-value = 12.51) is also obtained which is also significant. This shows the dynamics of the causal relationship between variables that are dynamic and robust as a model, which is reflected in the significance value or p value Chi Square is 1,000 > .05 and RMSEA (.000) < .08. These results indicate that the theoretical model tested has been supported by empirical data. Thus the model fits with empirical data

4. Discussion

The results of this study indicate that the application of certification policies has a positive and significant direct effect on performance. This finding is understandable because in the dynamics of the life of school organizations, teacher certification has an important and vital role in encouraging teacher performance. Research results of Kuswandi & Cahyono, (2017); de Guzman & Sitohang, (2012); Simorangkir (2018); Retnaningsih & Susanto (2018); Abe & Adu, (2014) also shows that the application of teacher certification policies influences teacher performance.

The results of this study also show that competence has a positive and significant direct effect on performance. This finding can be understood because in the learning process in school, teacher competence greatly determines the success of the learning process. Research results of Kuswandi & Cahyono, (2017); Ochieng, (2016); Teygong, (2017); Arifin (2015); Ledun, (2018) also shows that competence influences teacher performance.

The results of this study also show that achievement motivation has a positive and significant direct effect on performance. This finding is understandable because achievement motivation is a driver that arises in the teacher who can stimulate the teacher to show his best performance. Research results of Mustafa & Othman (2010); Sukrapi, (2014); Kurniadi, (2017); Ledun, (2018); Pranita (2017); Ondima, (2014); Fatmawati & Widyatmojo (2018); Zameer, (2014); Omar, (2017);

Hasbullah (2017) also shows that achievement motivation influences teacher performance.

The results of this study also show that the application of certification policies has a positive and significant direct effect on teacher achievement motivation. This finding is understandable because in the dynamics of the teacher's professional life, certification has an important and vital role that can stimulate the emergence of achievement motivation. Research results of Murwati (2013) also shows that the application of certification policies has an effect on teacher achievement motivation. The results of this study also show that competence has a positive and significant direct effect on teacher achievement motivation. This finding is understandable because in the dynamics of the teacher's professional life, competency greatly determines the success of the learning process. The research results of Endal (2013) also show that competence influences achievement motivation. This means that the results of this study support and confirm the results of previous studies that competence influences teacher achievement motivation. The results of this study also show that the application of certification policies has a positive and significant direct effect on teacher competence. This finding is understandable because in the dynamics of the teacher's professional life, certification is a form of teacher competency inauguration. The research results of Meliana, Hasyim & Nurmalisa (2018) also show that the implementation of teacher certification policies affects competency.

In addition, the results of this study also indicate an indirect influence and the effect of the total application of certification policy on performance by mediating competence and significant achievement motivation and a fit research model. Thus the findings of this study are appropriate and confirm the results of previous studies that are used as references in this study, and research by Meliana, Hasyim & Nurmalisa (2018) which proves that the implementation of teacher certification policies has an effect on competence, with a number of differences that represent novelty elements of this research, namely: First, the model. This research model on the effect of applying certification policy on performance with competency mediation and achievement motivation proved to be fit and significant for all its causal influences, both direct influence, indirect influence and total influence, so that it is a new finding that is different from a number of previous studies used as research references this. In this context, this research is a model development from previous relevant studies. Second, location. This research was conducted in Indonesia, by taking the object of research at the SMAN in Ternate City, North Maluku Province, with a unit of analysis of teachers who were civil servants

Conclusion

The application of certification policies, competencies and achievement motivation influences performance. The

application of certification policies and competencies has an effect on achievement motivation. The application of certification policies has an effect on and competence. The application of certification policies has an indirect effect and has a total effect on performance by competency mediation and achievement motivation.

References

- [1]. Abe TO, Adu EI. (2014). The effect of teachers' qualifications on students' performance in mathematics. *Sky Journal of Educational Research*, 2(1), 010-014.
- [2]. Amalia L, Saraswati T. (2018). The Impact of Competencies Toward Teacher's Performance Moderated By the Certification in Indonesia. *KnE Social Sciences*, 3(10).
- [3]. Arifin HM. (2015). The influence of competence, motivation, and organisational culture to high school teacher job satisfaction and performance. *International Education Studies*, 8 (1), 38-45.
- [4]. Cripps Clark, J., & Walsh, J. (2002, January). Elements of a model of effective teachers. In AARE 2002: Problematic futures: educational research in an era of uncertainty; AARE 2002 conference papers (pp. 1-11). Australian Association for Research in Education.
- [5]. De Guzman, A. B., & Sitohang, L. M. (2012). The impact of the Indonesian teacher certification law on teachers' self efficacy, beliefs, and classroom performance: A structural equation model. *The Asian Journal of Educational Research and Synergy*, 4(1 and 2), 1-1.
- [6]. Endal, G., Padmadewi, N., & Ratminingsih, M. (2013). The effect of differentiated instruction and achievement motivation on students' writing competency. *e-Journal Program Pascasarjana Universitas Pendidikan Ganesha Program Studi Pendidikan Bahasa Inggris*, 1, 1-10.
- [7]. Fatmawati, D., & Widyatmojo, P. (2018, August). Communication moderate influences motivation and leadership, motivation, discipline work towards performance. In *PROCEEDING ICTESS (Internasional Conference on Technology, Education and Social Sciences)*.
- [8]. Hasbullah, R. (2017). The influence of professionalism, achievement motivation and empowerment against the work discipline and its implication on teacher performance: empirical study on high school teachers in Karawang regency. *International Journal of Business and Commerce*, 5, 6, 18-36.
- [9]. Hellriegel, D., & Slocum, J. W. (2011). Organizational Behavior (wydanie 13). *Belmont, CA: Cengage South-Western*.
- [10]. Kuswandi, M., & Cahyono, R. (2017). Effects Teacher Certification and Teacher Commitment on Teacher Performance. *International Journal of Scientific Research and Management*, 5(1). 5016-5025.
- [11]. Kurniadi, D. A., Prihatin, E., Komariah, A., & Sudarsyah, A. (2017, May). Effects of Commitment, Motivation, Climate and Authentic Leadership on The Performance of Madrasah Teachers. In *1st Yogyakarta International Conference on Educational Management/Administration and Pedagogy (YICEMAP 2017)*. Atlantis Press.
- [12]. Ledun, A. A., Wahyono, R., & Arifin, S. (2018). The importance of competence, achievement motivation and knowledge management in improving teacher performance. *IOSR Journal of Business and Management (IOSR-JBM)*, 20, 6, 76-85. Doi: 10.9790/487X-2006027685.

- [13]. McClelland, D. C., Atkinson, J. W., Clark, R. A., & Lowell, E. L. (1976). The achievement motive. New York: Appleto Century Crofts. Irvington Publisher Inc.
- [14]. Meliana, D.E., Hasyim A., Nurmalisa Y. (2018) Pengaruh Sertifikasi Guru Terhadap Kompetensi Pedagogik Dalam Mengajar Di SMAN 1 Bangunrejo. *Jurnal Kultur Demokrasi*. Vol, 5 no 9
- [15]. Murwati, H. (2013). The effect of teacher professional certification on work motivation and performance of Vocational Senior High Schools in Surakarta. *Jurnal Pendidikan Bisnis dan Ekonomi (BISE)*, 1, 1, 12-21.
- [16]. Mustafa, M. N., & Othman, N. (2010). The effect of work motivation on teacher's work performance in pekanbaru senior high schools, Riau Province, Indonesia. *Sosiohumanika* 3.2.
- [17]. Mondy, R. Wayne, Arthur Sharplin, and Edwin B. Flippo. 1998. *Management: Concepts and Practices*. Massachusetts: Allyn and Bacon Inc.
- [18]. Ochieng, K. R., Kiplagat, P., & Nyongesa, S. (2016). Influence of teacher competence on mathematics performance in KCSE examinations among public schools in nyatike subcounty, migori county Kenya. *International Journal of Secondary Education*, 4, 5, 44-57. DOI: 10.11648/j.ijsedu.20160405.11
- [19]. Omar, R., Ahmad, N. A., Hassan, S. A., & Roslan, S. (2017). Impact of Perceived Teachers' Competence on Students' Performance: Evidence for Mediating Role of Achievement Motivation among Vocational Colleges Students' in Malaysia. *International Research Journal of Education and Sciences (IRJES)*, 1.
- [20]. Ondima, C., Okibo, W., Nyang'au, A., Mabeya, D., & Nyamasege, D. (2014). Effects of Motivation on teacher's performance in Kenyan Schools: A Survey of Nyamira District Secondary Schools in Nyamira County. *Journal of Education and Practice*, 5(30), 67-75.
- [21]. Pranita, F. M. (2017). Influence of motivation and organizational commitment on work satisfaction and employee performance. *Proceeding of ICECRS*, 1, 24-31. ISSN. 2548-6160.
- [22]. Retnaningsih, R., & Susanto, M. R. (2018). The influence of teacher's certification on teacher's performanc. *Proceeding International Seminar on Education Innovation Issues and Challenges in Education for Education Sustainability Universitas Sarjanawiyata Tamansiswa 25th August 2018*, 116-126.
- [23]. Sahertian, A. P. (2000). Basic concepts and techniques of educational supervision: in the framework of developing human resources. Jakarta: *Publisher Rineka Cipta*
- [24]. Sahertian, P. A., & Dasar, K. (2008). Educational Supervision Techniques in the Framework of Human Resource Development. *Jakarta: Publisher Rinneka Cipta*.
- [25]. Scott, R. W., & Davis, G. F. (2007). *Organizations and organizing*. New Jersey: Pearson Education.
- [26]. Simorangkir, N. (2018). The Effect of Teachers' Certification Incentive toward Christian Religious Teacher's Performance (A Causal Study at Senior High School Level in North Tapanuli Regency). *International Journal of English Literature and Social Sciences*, 3(3), 383-385.
- [27]. Sulistiyo, U. (2016). English language teaching and efl teacher competence in Indonesia. *Proceedings of the Fourth International Seminar on English Language and Teaching (ISELT-4)*, Universitas Negeri Padang, 4(2), 396-406.
- [28]. Sukrapi, M., Muljono, P., & Purnaningsih, N. (2014). The relationship between professional competence and work motivation with the elementary school teacher performance. *Asian Journal of Humanities and Social Studies*, 02, 05, 689-694.
- [29]. Terry, G. R. (1998). *Principle of management*. Bandung: Alfabeta.
- [30]. Teygong, L., Moses, K., & Daniel, O. (2017). Influence of teacher pedagogical competencies on pupils academic performance in public primary schools in Kenya. *European Journal of Education Studies*, 3, 12, 565-584. doi: 10.5281/zenodo.1156387.
- [31]. Zameer, H., Ali, S., Nisar, W., & Amir, M. (2014). The impact of the motivation on the employee's performance in beverage industry of Pakistan. *International Journal of Academic Research in Accounting, Finance and Management Sciences*, 4(1), 293-298